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L2: Entry 8 of 9

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Feb 18, 1975

DERWENT-ACC-NO: 1975-15841W

DERWENT-WEEK: 197509

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TITLE: Lactate dehydrogenase detmn. in sera - by test paper contg. N AD, diaphorase and tetrazolium salt

PATENT-ASSIGNEE:

ASSIGNEE

CODE

AMERICAN CYANAMID CO

AMCY

PRIORITY-DATA: 1973US-0414035 (November 8, 1973)

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PATENT-FAMILY:

|                          | PUB-NO                        | PUB-DATE          | LANGUAGE | PAGES | MAIN-IPC |
|--------------------------|-------------------------------|-------------------|----------|-------|----------|
| <input type="checkbox"/> | <a href="#">US 3867259 A</a>  | February 18, 1975 |          | 000   |          |
| <input type="checkbox"/> | <a href="#">AR 202236 A</a>   | May 23, 1975      |          | 000   |          |
| <input type="checkbox"/> | <a href="#">BE 821937 A</a>   | May 7, 1975       |          | 000   |          |
| <input type="checkbox"/> | <a href="#">DD 116314 A</a>   | November 12, 1975 |          | 000   |          |
| <input type="checkbox"/> | <a href="#">DE 2452283 A</a>  | May 15, 1975      |          | 000   |          |
| <input type="checkbox"/> | <a href="#">DK 7405788 A</a>  | July 14, 1975     |          | 000   |          |
| <input type="checkbox"/> | <a href="#">FR 2251001 A</a>  | July 11, 1975     |          | 000   |          |
| <input type="checkbox"/> | <a href="#">IT 1023182 B</a>  | May 10, 1978      |          | 000   |          |
| <input type="checkbox"/> | <a href="#">JP 50081194 A</a> | July 1, 1975      |          | 000   |          |
| <input type="checkbox"/> | <a href="#">NL 7414529 A</a>  | May 12, 1975      |          | 000   |          |
| <input type="checkbox"/> | <a href="#">SE 7413999 A</a>  | June 2, 1975      |          | 000   |          |
| <input type="checkbox"/> | <a href="#">ZA 7406459 A</a>  | October 15, 1975  |          | 000   |          |

INT-CL (IPC): A61B 5/00; C07C 0/00; G01M 33/16; G01N 31/14; G01N 33/10

ABSTRACTED-PUB-NO: US 3867259A

BASIC-ABSTRACT:

Diagnostic test indicators comprising a bibulous material impregnated with a tetrazolium salt (I), a chromatographic effect preventor (II), an antioxidant (III), diaphorase (IV) and a nicotinamide-adenine dinucleotide alkali lactate salt mixt. (V) are new. The test provides a simple qualitative and quantitative determination of lactate dehydrogenase (LDH) in body fluids, partic. blood,

abnormal levels of LDH in blood being indicative of heart diseases. Pref. (I) is 2-(p-idophenyl)-3-(p-nitrophenyl)-5-phenyl-2H-tetrazolium chloride (II) is polymethacrylic acid; (III) is p-dimethylaminonitroso benzene or dilaurylthiodipropionate (V) contains Li lactate and the bibulous matl. is paper.

TITLE-TERMS: LACTATE DEHYDROGENASE SERUM TEST PAPER CONTAIN N DIAPHORASE  
TETRAZOLIUM SALT

DERWENT-CLASS: A96 B04 J04 P31 S02 S03 S05

CPI-CODES: A12-L04; A12-V; B04-B02C; B04-B04D; B04-C02; B04-C03B; B07-D13; B10-A03;  
B10-C04D; B10-G02; B12-K04; J04-B01B; J04-C04;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

V800 V762 B815 B819 B615 B790 B702 B713 B832 B833  
D931 F113 F199 F431 L810 L819 K499 L721 L722 H122  
H123 H201 J311 H422 H423 H424 N100 M430 M511 M522  
M530 M540 M740 M750 P831 P832 M782 R000 M411 M902

Chemical Indexing M1 \*02\*

Fragmentation Code

V800 V600 V711 V712 V713 V714 V743 V610 J171 H521  
H581 H721 M232 M233 M331 M333 N100 M430 M510 M520  
M530 M540 M740 M750 P831 P832 M782 R000 M423 M902

Chemical Indexing M2 \*03\*

Fragmentation Code

H4 M121 M129 M131 M132 M142 M139 M149 M282 M283  
M210 M211 M212 M213 M214 M225 M231 M233 M240 M270  
M281 M311 M312 M313 M314 M332 M331 M334 M333 M321  
M323 M320 M280 M342 M340 M344 M380 M370 M391 M393  
G100 M150 M533 M532 M531 J171 H401 H441 H442 H443  
H444 J581 J271 J272 J273 H541 H594 N100 M430 M510  
M520 M540 M740 M750 P831 P832 M782 R000 Q620 M414  
M902

Chemical Indexing M2 \*04\*

Fragmentation Code

M121 M129 M148 M282 M283 M210 M213 M214 M215 M216  
M220 M221 M222 M223 M224 M225 M231 M232 M233 M270  
M281 M313 M314 M315 M316 M320 M280 B720 B723 B813  
B815 B819 B831 B415 B515 B702 B712 B713 B760 B770  
E800 G100 M533 M532 M620 N100 M430 M510 M511 M520  
M530 M540 M740 M750 P831 P832 M782 R000 Q620 M411  
M412 M902

Chemical Indexing M2 \*05\*

Fragmentation Code

H1 M121 M122 M129 M143 M144 M139 M149 M282 M283  
M210 M211 M212 M213 M214 M215 M216 M220 M221 M222  
M223 M224 M225 M226 M231 M232 M233 M270 M311 M312  
M313 M314 M315 M316 M320 M280 G221 G299 G100 M533  
M532 M531 K751 K752 H141 H142 H143 N100 M430 M510  
M520 M540 M740 M750 P831 P832 M782 R000 Q620 M414  
M902